

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)  
(c) 2005 JPO & JAPIO  
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200549  
(c) 2005 Thomson Derwent

Set	Items	Description
S1	271028	CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK - OR KEY OR TRIGGER) ()POINT? ? OR MARK? ? OR MARKER? ? OR (STAR- T??? OR END???) ()POINT? ? OR TAG OR TAGS
S2	41533	S1(10N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR - PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? - OR PAGE OR PAGES)
S3	151459	(ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC- RAMBL??? OR SECURE? ? OR SECURING) (7N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4	11654	S1(7N) (INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5	718	S2 AND S3
S6	54	S5 AND S4
S7	2415889	DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITTEN()WOR- K? ? OR DIGITAL() (ASSET? ? OR GOOD? ?) OR VIDEO? ? OR MOVIE? ? OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?
S8	4275173	SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT? ? OR - FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL()PROPERTY
S9	153997	S7:S8(7N) (ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT?- ??? OR SCRAMBL??? OR SECURE? ? OR SECURING)
S10	152	S5 AND S9
S11	11	S6 AND S9
S12	43	S6 NOT S11
S13	12	S12 AND AC=US/PR
S14	11	S13 AND AY=(1963:2000)/PR
S15	32	S12 AND PY=1963:2000
S16	33	S14:S15
S17	12	AU='SALAHSHOOR M R':AU='SALAHSHOOR MOHAMAD R'
S18	141	S10 NOT S6
S19	34	S18 AND AC=US/PR
S20	20	S19 AND AY=(1963:2000)/PR
S21	86	S18 AND PY=1963:2000
S22	96	S20:S21

16/5/10 (Item 10 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02249730 \*\*Image available\*\*  
BINARY BALANCED TRANSMITTING SYSTEM HAVING ERROR CORRECTING FUNCTION

PUB. NO.: 62-166630 [JP 62166630 A]  
PUBLISHED: July 23, 1987 ( 19870723)  
INVENTOR(s): KIKKAI NORIAKI  
NISHI SHIGETO  
SHIMAZU YOSHIHIRO  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese  
Company or Corporation), JP (Japan)  
APPL. NO.: 61-007899 [JP 867899]  
FILED: January 20, 1986 (19860120)  
INTL CLASS: [4] H04L-001/00; H03M-013/00; H04L-025/49  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 42.4 (ELECTRONICS --  
Basic Circuits)  
JOURNAL: Section: E, Section No. 571, Vol. 12, No. 7, Pg. 102, January  
09, 1988 (19880109)

#### ABSTRACT

PURPOSE: To maintain the error correcting capacity of a Hamming code and, at the same time, to make error correction possible, by constituting an error correcting code which is controlled so as to produce the **mark** rate balancing property in the block of an error inspecting bit and **mark** balance **adding** bit.

CONSTITUTION: After an information sequence is distributed to four sequences by means of a serial-parallel conversion section 1, error inspecting bits  $c(\text{sub } 1)-c(\text{sub } 4)$  are implemented to each sequence by operation. Eight-sequence signals are combined at a parallel/serial conversion section 2 and converted into optical signals by an electrooptic converter 3, and then, the optical signals are sent to an optical fiber cable. Received optical signals are converted into electric signals by a photoelectric converter 4. The electric signals are first distributed to 8-sequence signals by a serial/parallel conversion **section 5** and **block** synchronism is **secured** to the sequences. Collation of an inspection pattern with a received inspection pattern is performed by an inspection pattern collating section 7 and a syndrome is found by means of a syndrome generating section 8. Wrong bits in the information sequence are corrected at an error correcting section 9 and the original information sequence is restored by a parallel/serial conversion section 10.

16/5/11 (Item 11 from file: 347)  
DIALOG(R) File 347:JAPIO  
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01415842 \*\*Image available\*\*  
SCRAMBLING SYSTEM FOR VOICE SIGNAL

PUB. NO.: 59-127442 [JP 59127442 A]  
PUBLISHED: July 23, 1984 ( 19840723)  
INVENTOR(s): SAKAMOTO AKIRA  
FUKAMI TAKESHI  
SUGITA TAKEHIRO  
TOYOSHIMA MASAKATSU  
WAKU TOSHIHIKO  
KOMATSUBARA MICHIMASA  
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-002481 [JP 832481]  
FILED: January 11, 1983 (19830111)

INTL CLASS: [3] H04K-001/06  
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems)  
JOURNAL: Section: E, Section No. 279, Vol. 08, No. 250, Pg. 134,  
November 16, 1984 (19841116)

ABSTRACT

PURPOSE: To smooth connections in rearrangement and to improve the precision of a voice signal by using a **marker** signal inserted into a redundant time **part** for the measurement of segment time length when the time-axis compression of a time-axis stretching system is performed.

CONSTITUTION: A scrambled voice signal is sent out to a decoder side while the **marker** signal SM is inserted into its redundant time **part**. The decoder side detects the **marker** signal SM in the **scrambled** signal and measures **segment** time lengths T'(sub 1)-T'(sub 4) by the **marker** signal SM. When the signal is sent out after being rearranged, its time is used as segment time to smooth connections between waveforms. Therefore, the deterioration in the quality of voice signal due to discontinuity of connecting points is prevented.

16/5/12 (Item 12 from file: 347)  
DIALOG(R) File 347:JAPIO  
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00933575 \*\*Image available\*\*  
MARK READING SYSTEM

PUB. NO.: 57-083875 [JP 57083875 A]  
PUBLISHED: May 25, 1982 ( 19820525)  
INVENTOR(s): INOUE MASASHI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 55-159476 [JP 80159476]  
FILED: November 14, 1980 (19801114)  
INTL CLASS: [3] G06K-007/10  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 36.4  
(LABOR SAVING DEVICES -- Service Automation)  
JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking); R107  
(INFORMATION PROCESSING -- OCR & OMR Optical Readers)  
JOURNAL: Section: P, Section No. 138, Vol. 06, No. 166, Pg. 134,  
August 31, 1982 (19820831)

ABSTRACT

PURPOSE: To facilitate an easy identification of the reading **mark** and to **secure** the accurate reading of a **page mark**, etc., by providing plural photoelectric transducers to detect the same **mark** at a time and **adding** or multiplying the outputs of these transducers to perform the slicing with a prescribed level.

CONSTITUTION: A banknote 17 is transported by rollers 4 and 5 on a conveying path 2 to the positions of **page mark** reading photoelectric transducers 10A and 10B to read the same **page mark** of the note 17 at a time. The **page mark** thus read at a time is amplified and receives a waveform shaping by amplifiers 11A and 11B to be supplied to an arithmetic circuit 12. Then the outputs of the amplifiers 11A and 11B are added or multiplied each other and supplied to a register 13 to be sliced at a prescribed level. This output is then supplied to a comparator 16 with exclusion of the noise part caused by the soil on the note 17. Thus the **page mark** is identified assuredly, and the necessary printing is carried out at a prescribed area of the note 17 and through a printing part 3.

16/5/14 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014013883

WPI Acc No: 2001-498097/200155

XRPX Acc No: N01-369147

**Computer system for creating an audience specific view of documents by marking individual sections of documents with access properties available to specific recipients**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: LECTION D B; MOLANDAR M E; SALAHSHOOR M R; SCANLON J L; MOLANDER M E

Number of Countries: 030 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1077421	A2	20010221	EP 2000306633	A	20000803	200155 B
CA 2312458	A1	20010218	CA 2312458	A	20000620	200155
CN 1286436	A	20010307	CN 2000122642	A	20000810	200155
JP 2001101173	A	20010413	JP 2000228179	A	20000728	200155
KR 2001039796	A	20010515	KR 200045850	A	20000808	200167
TW 464817	A	20011121	TW 2000105944	A	20000330	200248

Priority Applications (No Type Date): US 99376896 A 19990818

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1077421 A2 E 20 G06F-017/60

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

CA 2312458 A1 E G06F-017/22

CN 1286436 A G06F-015/16

JP 2001101173 A 19 G06F-017/21

KR 2001039796 A G06F-017/21

TW 464817 A G06F-019/00

Abstract (Basic): EP 1077421 A2

NOVELTY - Documents such as e-mails, text documents, multi-media messages containing images and/or audio are stored with markings provided by their authors for one or more sections of the document. The markings assign properties to the document sections including which recipients are to be given that section of the document. Other properties specified may include background color or font, whether the **section** is copy **protected**, whether the **section** may be forwarded or printed, whether the **section** is to be **encrypted** before forwarding or storing, whether the **section** can be rendered in audio and/or video etc.. Documents may be encoded in an Extensible Markup Language (XML) when the marking is done by **adding XML tags** to the document **sections**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a computer program for creating audience specific views of documents

(b) and a method for creating audience specific views of documents.

USE - In computer systems.

ADVANTAGE - The process is easy to use and intuitive.

pp; 20 DwgNo 0/9

Title Terms: COMPUTER; SYSTEM; AUDIENCE; SPECIFIC; VIEW; DOCUMENT; MARK; INDIVIDUAL; SECTION; DOCUMENT; ACCESS; PROPERTIES; AVAILABLE; SPECIFIC; RECIPIENT

Derwent Class: T01

International Patent Class (Main): G06F-015/16; G06F-017/21; G06F-017/22; G06F-017/60; G06F-019/00

International Patent Class (Additional): G06F-012/00; G06F-012/14; G06F-013/00; G06F-017/00; H04L-012/54

File Segment: EPI

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22/5/8 (Item 8 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06399638 \*\*Image available\*\*

ENCIPHERING AND DECODING METHOD FOR PICTURE FILE AND ENCIPHERING AND DECODING DEVICE THEREFOR

PUB. NO.: 11-341291 [JP 11341291 A]  
PUBLISHED: December 10, 1999 ( 19991210)  
INVENTOR(s): HARIMA TORU  
YAMAMOTO AKIRA  
APPLICANT(s): NEC ENG LTD  
APPL. NO.: 10-145532 [JP 98145532]  
FILED: May 27, 1998 (19980527)  
INTL CLASS: H04N-001/44; H04N-001/41; H04N-007/24; H04N-007/167

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an enciphering, decoding method and an enciphering and decoding device for a picture file which can attain enciphering with regard to a versatile file format.

SOLUTION: With regard to a standard JPEG file 2 which can be obtained by compression processing an original picture 1 at a compression processing part 7, an enciphered JPEG file 5 is obtained by a marker operation processing part 5 performing a specified operation processing with a specific marker in accordance with a marker operation rule. The enciphered JPEG file 5 is returned to the standard JPEG file 2 by a marker reverse operation processing part 6 recovering the specific marker operation processing in accordance with the marker operation rule. After that, a recovery picture 3 can be obtained by being extension processed by an extension processing part 8.

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22/5/26 (Item 26 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04159392 \*\*Image available\*\*

DATA PROTECTION DEVICE

PUB. NO.: 05-151092 [JP 5151092 A]  
PUBLISHED: June 18, 1993 ( 19930618)  
INVENTOR(s): SHIMIZU NAOTERU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-342191 [JP 91342191]  
FILED: November 30, 1991 (19911130)  
INTL CLASS: [5] G06F-012/14; G06F-009/06  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5 (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 1623, Vol. 17, No. 546, Pg. 50, September 30, 1993 (19930930)

#### ABSTRACT

PURPOSE: To effectively maintain the secrecy of data contents even again access from another computer program by converting data on a magnetic disk from ciphered data to normal sentence data before the processing of a computer program starts and converting the normal sentence data into the ciphered data before the processing ends.

CONSTITUTION: This data protection device is provided with a normal sentence conversion processing part 2 which functions prior to the start of the processing of the computer program to convert the data on the magnetic disk from the ciphered data to the normal sentence data and a ciphering processing part 3 which converts the data on the magnetic disk from the normal sentence data into the ciphered data before the processing of the computer program ends. Namely, the computer program is actuated at the start point 1 and the normal sentence conversion processing part 2 deciphers the ciphered data on the magnetic disk into the normal sentence data. Then, normal computer program processing is performed. At the end point, the ciphering processing part 3 converts the data on the magnetic disk into the ciphered data and the processing ends.

22/5/28 (Item 28 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03836482 \*\*Image available\*\*  
BIT MAP DEVELOPMENT PROCESSING METHOD

PUB. NO.: 04-201582 [JP 4201582 A]  
PUBLISHED: July 22, 1992 ( 19920722)  
INVENTOR(s): HITOMI YOSHIHIRO  
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-338474 [JP 90338474]  
FILED: November 30, 1990 (19901130)  
INTL CLASS: [5] B41J-002/485; B41J-005/30; G06F-015/72; G09G-005/24  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.9  
(COMMUNICATION -- Other); 45.4 (INFORMATION PROCESSING --  
Computer Applications)  
JAPIO KEYWORD:R002 (LASERS)  
JOURNAL: Section: M, Section No. 1335, Vol. 16, No. 538, Pg. 77,  
November 09, 1992 (19921109)

#### ABSTRACT

PURPOSE: To give superscription effect by a method wherein when pattern data are duplicated, a non-duplicated part of the previously secured pattern data is divided, and said divided each pattern data and a newly taken in pattern data are developed by writing in a superimposed manner on a bit map.

CONSTITUTION: When two pattern data PD1, 2 are duplicated, the previously secured PD2 is divided into two parts of PD3, 4 by a straight line  $x=sx$  passing an X coordinate  $sx$  of a start point of the newly taken in PD1. Further, the PD3, 4 are divided into two parts by a straight line  $y=sy$  passing a Y coordinate  $sy$  of the start point of the PD1 to divide the PD2 into 4 parts (5 to 8). Then, start points and end points of three new PD5, 6, 7 which are not duplicated with the PD1 are calculated. The previously secured PD2 is eliminate, and the start points and end points of the PD5, 6, 7 and classes of the pattern are secured in a memory. Thereafter, when developed on a bit map, respective PDs are developed by writing in a superimposed manner.

22/5/35 (Item 35 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03280464 \*\*Image available\*\*  
AUTOMATIC IDENTIFYING DEVICE FOR DOCUMENT CHANGED PART

PUB. NO.: 02-255964 [JP 2255964 A]

PUBLISHED: October 16, 1990 ( 19901016)  
INVENTOR(s): KOBAYASHI TSUNEAKI  
APPLICANT(s): SUMITOMO METAL IND LTD [000211] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-013525 [JP 8913525]  
FILED: January 23, 1989 (19890123)  
INTL CLASS: [5] G06F-015/20  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)  
JOURNAL: Section: P, Section No. 1150, Vol. 15, No. 11, Pg. 66, January 10, 1991 (19910110)

#### ABSTRACT

PURPOSE: To automatically identify a changed part of a document and to display only a changed part of a similar document by comparing plural stored similar document **information** with each other in a comparison mode **secured** previously and outputting the different **parts** of **documents**.

CONSTITUTION: An unchanged old document and a changed new document are previously and optically read by an optical reader and stored in a storage as the information on characters and symbols. Then a CRT keyboard designates as necessary the comparison modes for each punctuation **mark**, each line, each word, and each character. The changed **parts** of old and new documents are decided within a designated page based on a designated comparison mode. These changed parts are underlined, covered with the oblique lines, or printed especially on another form the display. When the unchanged old document and the changed new documents are not optically read in a correct way due to the soil of the documents, etc., at the time these are read previously by the optical reader, the error areas are displayed on a CRT. Then an operator corrects visually these errors of documents via the CRT keyboard.

22/5/41 (Item 41 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02245271 \*\*Image available\*\*  
ENCODING METHOD FOR MAP SHEET DATA

PUB. NO.: 62-162171 [JP 62162171 A]  
PUBLISHED: July 18, 1987 ( 19870718)  
INVENTOR(s): TSUTSUI KAZUO  
YODA MIKIO  
MORIZAKI NOBUYUKI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 61-003443 [JP 863443]  
FILED: January 13, 1986 (19860113)  
INTL CLASS: [4] G06F-015/40; G06F-015/62; G09B-029/00; H04L-009/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 44.3 (COMMUNICATION -- Telegraphy)  
JOURNAL: Section: P, Section No. 651, Vol. 11, No. 399, Pg. 82, December 26, 1987 (19871226)

#### ABSTRACT

PURPOSE: To insure map sheet **data** against being decoded without a **cipher** keyword by encoding a road graphic being the critical graphic identification conditions among the map sheet data.

CONSTITUTION: When the map sheet data is divided into plural **blocks**, the start and end **points** of the line **segment** data over plural **blocks** and points forming a parallel line showing a road on the map are extracted,

and the coordinates of the start and end points are converted into those in other blocks according to the cipher keyword, and taken for cipher data. Namely, when one map sheet is divided into blocks, data on lines astride plural blocks is extracted, and the end point coordinates of the line data are coordinate-converted through the use of the cipher block keyword. They are coordinate-converted by a cipher block keyword K to completely hide the road constitution, thereby achieving the sheet encoding.

22/5/43 (Item 43 from file: 347)  
DIALOG(R) File 347:JAPIO  
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01980427 \*\*Image available\*\*  
SECTION DISPLAY CONTROL SYSTEM

PUB. NO.: 61-194527 [JP 61194527 A]  
PUBLISHED: August 28, 1986 ( 19860828)  
INVENTOR(s): HOSOYAMA OSAMU  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 60-034103 [JP 8534103]  
FILED: February 22, 1985 (19850222)  
INTL CLASS: [4] G06F-003/14; G06F-015/21  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.4  
(INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 538, Vol. 11, No. 22, Pg. 17, January  
21, 1987 (19870121)

#### ABSTRACT

PURPOSE: To facilitate reading of characters and also to increase the number of display-enable digits by securing section data equal to one digit in case the display data is equal to characters and then displaying the section data within a preceding digit or in a space between the preceding and next digits.

CONSTITUTION: The display data is delivered and loaded once on a buffer through CPU processing. Then the data is extracted every digit from the lower side and it is checked whether the extracted data is equal to the section data or not. If the section data is decided, this data is saved. Then it is checked whether the next display data is equal to characters or the numerical value. The character data, e.t., 'ASU WA YASUMI' is decided and therefore a section mark equivalent to a digit is put between 'WA' and 'YA'. While in the case of the numerical data, e.g., '2,500', a section mark is put at the lower right part of '2' or in a space between '2' and '5'. Thus it is possible to facilitate reading of characters and to increase the number of display enable digits.

22/5/53 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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016054485 \*\*Image available\*\*  
WPI Acc No: 2004-212336/200420  
Related WPI Acc No: 2003-228412  
XRPX Acc No: N04-168125

XML encryption scheme for preventing unauthorized disclosure of data during transmission or storage, involves encrypting object selected as XML component, and storing encrypted object for subsequent use by intended recipient

Patent Assignee: TECSEC INC (TECS-N)  
Inventor: KOLOUCH J L  
Number of Countries: 001 Number of Patents: 001



Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6694433	B1	20040217	US 9745935	P	19970508	200420 B
			US 9874649	A	19980508	
			US 99421293	A	19991020	

Priority Applications (No Type Date): US 9745935 P 19970508; US 9874649 A 19980508; US 99421293 A 19991020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6694433	B1	14	H04L-009/00		Provisional application US 9745935 CIP of application US 9874649

Abstract (Basic): US 6694433 B1

NOVELTY - The method begins by providing objects relating to a process and consistent to a data format. An object with an associated object **tag** is selected from the provided objects as XML component. A **portion** of the selected object is encrypted according to a cryptographic scheme determined in **part** by the object **tag**. The **encrypted portion** of the object is then stored for subsequent use by an intended recipient.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for the program storage medium storing the instructions for the XML encryption scheme.

USE - For preventing unauthorized disclosure of data during transmission or storage.

ADVANTAGE - Uses encryption and encrypted objects to record and authenticate inputs, processes, scheduled conditions and virtual environments of electronic accounting and operational systems. Provides a means to distribute encrypted objects to designated locations for access by designated individuals or entities.

DESCRIPTION OF DRAWING(S) - The figure is a flow diagram showing the use of XML to identify, copy and encrypt copied objects in a secure accounting and operational control and reporting system (SAOCRS) that in their entirety present a scheduled condition check.

pp; 14 DwgNo 8/8

Title Terms: ENCRYPTION; SCHEME; PREVENT; UNAUTHORISED; DISCLOSE; DATA; TRANSMISSION; STORAGE; OBJECT; SELECT; COMPONENT; STORAGE; ENCRYPTION; OBJECT; SUBSEQUENT; INTENDED; RECIPIENT

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00

File Segment: EPI

22/5/56 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014716242 \*\*Image available\*\*

WPI Acc No: 2002-536946/200257

Related WPI Acc No: 2002-470907

XRPX Acc No: N02-425253

Authentication message encryption method in data transmission application, involves computing ciphertext blocks and fragment using block cipher, key, nonce, offsets and message blocks or message fragment

Patent Assignee: ROGAWAY P W (ROGA-I)

Inventor: ROGAWAY P W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020071552	A1	20020613	US 2000240471	A	20001012	200257 B
			US 2001267640	A	20010209	
			US 2001918615	A	20010730	

Priority Applications (No Type Date): US 2001918615 A 20010730; US  
2000240471 P 20001012; US 2001267640 P 20010209  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020071552 A1 29 H04K-001/04 Provisional application US 2000240471

Provisional application US 2001267640

Abstract (Basic): US 20020071552 A1

NOVELTY - A message is partitioned into message blocks and a message fragment. A sequence of offsets is generated from a nonce and a key. A ciphertext **block** is computed using the **block cipher**, key, nonce, offsets and message **block**. A ciphertext **fragment** is computed using the **block cipher**, message **fragment**, the key and an offset. A **tag** is computed as a function of message **blocks**, message **fragment**, offsets and the key, and the ciphertext is defined to include the ciphertext **block** and **fragment** and the **tag**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer readable storage medium storing authenticated **encryption program**; and

(2) Authenticated encryption apparatus.

USE - For facilitating authentication message **encryption** used in **data transmission application**. Also applicable in personal computer, cell phone, wireless LAN communication and personal digital assistant (PDA).

ADVANTAGE - Messages of arbitrary bit length is encrypted. Length of the ciphertext is reduced. Permits more efficient processing of associated data. Since the offsets are computed extremely fast without the use of modular addition, the processing time is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of the encryption process.

pp; 29 DwgNo 1/10

Title Terms: AUTHENTICITY; MESSAGE; ENCRYPTION; METHOD; DATA; TRANSMISSION; APPLY; COMPUTATION; BLOCK; FRAGMENT; BLOCK; CIPHER; KEY; OFFSET; MESSAGE; BLOCK; MESSAGE; FRAGMENT

Derwent Class: T01; U21; W02

International Patent Class (Main): H04K-001/04

File Segment: EPI

22/5/57 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014395855 \*\*Image available\*\*

WPI Acc No: 2002-216558/200227

XRPX Acc No: N02-166030

**Message authentication method involves creating enciphered blocks for obtaining authentication tag by applying standard block cipher to input blocks**

Patent Assignee: VDG INC (VDGV-N); DONESCU P (DONE-I); GLIGOR V D (GLIG-I)

Inventor: DONESCU P; GLIGOR V D

Number of Countries: 095 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200176130	A2	20011011	WO 2001US9804	A	20010328	200227 B
AU 200149511	A	20011015	AU 200149511	A	20010328	200227
US 20010046292	A1	20011129	US 2000193447	P	20000331	200227
			US 2001818608	A	20010328	
EP 1302022	A2	20030416	EP 2001922746	A	20010328	200328
			WO 2001US9804	A	20010328	

Priority Applications (No Type Date): US 2000193447 P 20000331; US  
2001818608 A 20010328

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200176130 A2 E 102 H04L-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200149511 A H04L-009/00 Based on patent WO 200176130

US 20010046292 A1 H04L-009/30 Provisional application US 2000193447

EP 1302022 A2 E H04L-009/32 Based on patent WO 200176130

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200176130 A2

NOVELTY - Input data are partitioned into several data blocks and a randomization function is applied to each data block for creating an input block of same size as the **data block**. A standard block **cipher** is applied to each input **block** to create several **enciphered blocks** which are combined to create an authentication **tag**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Message authentication verification method;
- (b) Message authentication system;
- (c) Message authentication verification system;
- (d) Program product for providing data signing function for determining authentication tag;
- (e) Program product for providing data signing function for updating authentication tag

USE - For real-time **applications** for **protecting data** integrity.

ADVANTAGE - As authentication tag is provided, **data** integrity is **protected** efficiently during communication over insecure channels and during data storage in insecure media.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram explaining data authentication method.

pp; 102 DwgNo 1/16

Title Terms: MESSAGE; AUTHENTICITY; METHOD; ENCIPHER; BLOCK; OBTAIN;

AUTHENTICITY; TAG; APPLY; STANDARD; BLOCK; CIPHER; INPUT; BLOCK

Derwent Class: W01

International Patent Class (Main): H04L-009/00; H04L-009/30; H04L-009/32

File Segment: EPI

22/5/58 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014240744 \*\*Image available\*\*

WPI Acc No: 2002-061444/200208

Related WPI Acc No: 2000-116848; 2000-341558; 2002-626439; 2003-247384;

2003-255934; 2003-417370

XRPX Acc No: N02-045567

Copy protection method for formatted and rendered data e.g. text and graphics within mark-up language document involves encryption of selected page content and decryption of content when rendered by graphics device

Patent Assignee: GOODMAN D I (GOOD-I); SCHREIBER D (SCHR-I)

Inventor: GOODMAN D I; SCHREIBER D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010029582	A1	20011011	US 99313067	A	19990517	200208 B

US 99397331 A 19990914  
US 2001774236 A 20010129

Priority Applications (No Type Date): US 2001774236 A 20010129; US 99313067  
A 19990517; US 99397331 A 19990914

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010029582	A1		20	H04L-009/32	CIP of application US 99313067
					CIP of application US 99397331
					CIP of patent US 6209103

Abstract (Basic): US 20010029582 A1

NOVELTY - The copy **protection** method parses (410) a **page** and identifies designated content that is transferred to an encoder (420) for **encryption**. The **encrypted data** is transferred to an editor (430) that replaces the original **data** with the **encrypted data**. The complete **document** is then transmitted to a client computer (220) and received in a renderer (250) that detects the encoded data and passes it to a decryption unit (440) prior to being displayed.

DETAILED DESCRIPTION - When used to **protect** text, an **application** viewing a source listing of the document page or capturing the **document page** is only able to capture **encrypted** text that appears as jumbled, incoherent **data**. The data is rendered into a graphics device by system text rendering applications such as Microsoft TextOut or Macintosh DrawText.

INDEPENDENT CLAIMS are also included for the following:

- (1) A **page content protection** system.
- (2) A method of accessing **encrypted data** within a **page**.
- (3) A computer hardware for handling **encrypted data**.
- (4) A method of identifying designated data and replacing that data into an original **page** on completion of **data encryption**.
- (5) A parser for identifying designated data.
- (6) A method for formatting **protected page data**.
- (7) A system using a page formatter.
- (8) An encryption method.
- (9) An encoder
- (10) A method of accessing **encrypted data**.
- (11) A decoder.
- (12) A method of text string replacement when formatting data.
- (13) A string data processor.

USE - For **protection** of the **content** of **data** that is rendered and formatted using patchable system calls within a **page** to be displayed. The system can **protect** not only HTML **data** but also e-mail and business type data.

ADVANTAGE - The protection system provides a simple and practical method to prevent displayed text being copied without authorization.

DESCRIPTION OF DRAWING(S) - The **block** diagram represents a **protection system for page contents**.

Client computer (220)  
Render (250)  
Parser (410)  
Encoder (420)  
Editor (430)  
Decoder (440)

pp; 20 DwgNo 4/7

Title Terms: COPY; PROTECT; METHOD; RENDER; DATA; TEXT; GRAPHIC; MARK; UP;  
LANGUAGE; DOCUMENT; ENCRYPTION; SELECT; PAGE; CONTENT; DECRYPTER; CONTENT  
; RENDER; GRAPHIC; DEVICE

Derwent Class: T01

International Patent Class (Main): H04L-009/32

International Patent Class (Additional): G06F-011/30; G06F-012/14

File Segment: EPI

DIALOG(R)File 350:Derwent WPIX  
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013924506      \*\*Image available\*\*  
WPI Acc No: 2001-408719/200143  
XRPX Acc No: N01-302451

**Transmitting stream of textual data to recipient via third party intermediary by encrypting at least one selected segment of stream of data and identifying it by identification tag containing encryption attributes of segment**

Patent Assignee: EVELOLOCITY CORP (EVEL-N)  
Inventor: PERRY B; SCHWARTZ R  
Number of Countries: 022 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200146773	A2	20010628	WO 2000US34423	A	20001219	200143 B
AU 200124384	A	20010703	AU 200124384	A	20001219	200164

Priority Applications (No Type Date): US 2000693540 A 20001020; US 99172857  
P 19991220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200146773	A2	E	26	G06F-000/00	
Designated States (National): AU CA JP					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
AU 200124384	A			G06F-000/00	Based on patent WO 200146773

Abstract (Basic): WO 200146773 A2

**NOVELTY** - The method involves **encrypting** at least one selected **segment** of the stream of data that may be identified by an **identification tag**, which provides **encryption** attributes of the **encrypted segment**.

**DETAILED DESCRIPTION** - A law firm transmits invoice data to a clearinghouse (14). The initiating party (12) can employ, for example, an encoder (12a) to **encrypt** selected **segments** of the invoice **data** according to the teachings of the invention to **secure** sensitive and/or privileged **information** from the clearinghouse. The clearinghouse may process the non-**encrypted portions** of the invoice **data**, and subsequently transmit the data to the client or a client bank (16b). The client (16) or the client bank (16b) can employ a decoder (16a) to decrypt the **encrypted portions** of the **data**.

An INDEPENDENT CLAIM is included for:

(a) a system for transmitting a stream of textual data to recipient  
**USE** - In a digital data processing for transmitting data to a recipient.

**ADVANTAGE** - Ensures the security of privileged information when data is transmitted to a recipient via a third party intermediary. Facilitates transmission of data, e.g., through public networks and/or third party intermediates. **Encrypts** a stream of **data** such that an intermediary can perform the requisite processing of the **data** while ensuring that the privileged **information** remains **secure**. Improves the security of **data** maintained within a site, e.g., even if not transmitted across a network or through an intermediary.

**DESCRIPTION OF DRAWING(S)** - The drawing illustrates a system implementing a data transmission method according to the present invention.

initiating party (12)  
encoder (12a)  
clearinghouse (14)  
client (16)  
decoder (16a)  
client bank (16b)  
pp; 26 DwgNo 1/2

Title Terms: TRANSMIT; STREAM; TEXT; DATA; RECIPIENT; THIRD; PARTY;

INTERMEDIARY; ONE; SELECT; SEGMENT; STREAM; DATA; IDENTIFY; IDENTIFY; TAG  
; CONTAIN; ENCRYPTION; ATTRIBUTE; SEGMENT  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-000/00  
File Segment: EPI

22/5/63 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013815440 \*\*Image available\*\*  
WPI Acc No: 2001-299652/ 200131  
XRPX Acc No: N01-214961

Access control provision for pre- encrypted on-demand content in  
communication network, by detecting if user terminal can access pre-  
encrypted content based on entitlement authorization and opaque data  
block

Patent Assignee: GEN INSTR CORP (GENN )  
Inventor: SAFADI R; VINCE L D  
Number of Countries: 094 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200067483	A1	20001109	WO 2000US9800	A	20000412	200131 B
AU 200042359	A	20001117	AU 200042359	A	20000412	200131
EP 1175781	A1	20020130	EP 2000922124	A	20000412	200216
			WO 2000US9800	A	20000412	
TW 511377	A	20021121	TW 2000107372	A	20000419	200353
MX 2001010808	A1	20020601	WO 2000US9800	A	20000412	200365
			MX 200110808	A	20011024	

Priority Applications (No Type Date): US 99132366 P 19990504

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200067483	A1	E	35	H04N-007/16	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
AU 200042359	A			H04N-007/16	Based on patent WO 200067483
EP 1175781	A1	E		H04N-007/16	Based on patent WO 200067483
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
TW 511377	A			H04N-007/16	
MX 2001010808	A1			H04N-007/16	Based on patent WO 200067483

Abstract (Basic): WO 200067483 A1

NOVELTY - An entitlement authorization associated with pre-  
**encrypted content**, is communicated to user terminal (20) via  
secondary communication path (19). The user terminal is determined  
whether it is authorized to access pre- **encrypted content** based on  
entitlement authorization and opaque **data block (ODB) tag**  
depending on content (15) demanded by user.

DETAILED DESCRIPTION - The pre- **encrypted content** is forwarded  
to a server (12). The ODB tag is provided to user terminal. Unique  
reference handle (URH) tag which acts as reference to the pre-  
**encrypted content** is provided to the server. The ODB and URH tags  
which are unique to pre- **encrypted content**, are tracked by pre-  
**encryption controller**. The main server communicates the pre- **encrypted**  
**content** and ODB to user terminal via local distribution server. The  
controller communicates entitlement authorization to the user terminal.  
An INDEPENDENT CLAIM is also included for access control providing  
apparatus.

USE - For access control of pre-encrypted on-demand television services over communication network e.g. satellite and Internet based networks.

ADVANTAGE - The ODB content is securable, as deemed without burdening the content providers or service vendors.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of flexible pre-encryption architecture.

Server (12)

Content (15)

Secondary communication path (19)

User terminal (20)

pp; 35 DwgNo 1/3

Title Terms: ACCESS; CONTROL; PROVISION; PRE; ENCRYPTION; DEMAND; CONTENT; COMMUNICATE; NETWORK; DETECT; USER; TERMINAL; CAN; ACCESS; PRE; ENCRYPTION; CONTENT; BASED; AUTHORISE; OPAQUE; DATA; BLOCK

Derwent Class: W02

International Patent Class (Main): H04N-007/16

International Patent Class (Additional): H04N-007/173

File Segment: EPI

22/5/65 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013362400 \*\*Image available\*\*

WPI Acc No: 2000-534339/ 200049

XRPX Acc No: N00-395297

Data protection using decryption key

Patent Assignee: YAMAHA CORP (NIHG )

Inventor: FURUKAWA M; TSUNODA S; UCHIYAMA T; USUI A

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1020856	A2	20000719	EP 2000100158	A	20000111	200049 B
JP 2000207829	A	20000728	JP 994754	A	19990111	200049

Priority Applications (No Type Date): JP 994754 A 19990111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1020856	A2	E	24	G11B-020/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000207829	A	13	G11B-020/10
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Abstract (Basic): EP 1020856 A2

NOVELTY - Method consists in encrypting the data before recording with the key, adding an error correction code to the encrypted data to form a data block for noise removal, writing secret information containing the key and the compliance mark over the data block in the form of noise so that the secret information containing the key and the mark can be separated from the data by the error correction process. This means that the player machine can use the key to decrypt the data only if the player can detect the compliance mark from the separated secret information. An identification code for the compliant recorder is provided and a function group dedicated for generating the mark is used when the key executes data encryption. A code identifies the medium used for recording the data, another identifies the compliant recorder and the compliance mark is generated from the key.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a recorder encrypting data using a key and issuing a compliance mark to authenticate the data and (2) a computer program for a recorder.

USE - Method is for preventing copying of CD, DVD, DAT, MD and broadcast-type media.

ADVANTAGE - Method prevents a recorder reproducing unauthorized data.

DESCRIPTION OF DRAWING(S) - The figure shows an optical disk recorder.

pp; 24 DwgNo 1/10

Title Terms: DATA; PROTECT; DECRYPTER; KEY

Derwent Class: T03

International Patent Class (Main): G11B-020/00; G11B-020/10

International Patent Class (Additional): G06F-012/14; G11B-020/18

File Segment: EPI

22/5/78 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010445093 \*\*Image available\*\*

WPI Acc No: 1995-346410/ 199545

XRPX Acc No: N95-259030

Data encryption method - encrypting data into number of data blocks and control blocks which define data block encryption using randomly selected functions

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: YORKE-SMITH I E

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 676876	A1	19951011	EP 95302218	A	19950403	199545 B
GB 2288519	A	19951018	GB 946613	A	19940405	199545
JP 7281596	A	19951027	JP 9533219	A	19950222	199601
US 5548648	A	19960820	US 94276192	A	19940715	199639 N
JP 3229148	B2	20011112	JP 9533219	A	19950222	200174

Priority Applications (No Type Date): GB 946613 A 19940405; US 94276192 A 19940715

Cited Patents: 02Jnl.Ref; DE 1447301; EP 464562; EP 95923; JP 5102960; US 5253294

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 676876	A1	E	16	H04L-009/00	
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Designated States (Regional): DE FR GB

GB 2288519	A	24	H04L-009/14	
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JP 7281596	A	12	G09C-001/00	
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US 5548648	A	13	H04L-009/00	
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JP 3229148	B2	11	G09C-001/00	Previous Publ. patent JP 7281596
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Abstract (Basic): EP 676876 A

The encryption method for encrypting data containing data segments (DS1-DSn) into encrypted data blocks (EDB1-EDBn) and associated control blocks (CB1-CBn) involves selecting several encryption functions (F1-Fi). The data segments are encrypted using the selected function. The data segments can be of varying lengths. An encrypted data block is produced containing the encrypted data segment. An associated control block is produced for each encrypted data block. Each control block consists of the information needed to decrypt the data blocks.

Pref., the encryption functions are chosen via a mapping of random numbers to functions. The data, its start point in the block and its length are all encrypted. Both blocks are padded with random numbers and start positions can vary.

USE/ADVANTAGE - Communication systems. Provides encryption system that is computationally efficient while retaining high security. Short encryption and decryption times.

Dwg.3/7

Title Terms: DATA; ENCRYPTION; METHOD; DATA; NUMBER; DATA; BLOCK; CONTROL;



BLOCK; DEFINE; DATA; BLOCK; ENCRYPTION; RANDOM; SELECT; FUNCTION  
Derwent Class: P85; W01  
International Patent Class (Main): G09C-001/00; H04L-009/00; H04L-009/14  
International Patent Class (Additional): H04L-009/06; H04L-009/12;  
H04L-009/16  
File Segment: EPI; EngPI

22/5/79 (Item 27 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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010181186 \*\*Image available\*\*  
WPI Acc No: 1995-082439/ 199511  
Related WPI Acc No: 1993-258906  
XRPX Acc No: N95-065260

Creation and transmission method for confidential documents - scrambling  
and descrambling source image including many original image portions  
using reference marks for at least one of registration, scaling,  
rotation or shifting

Patent Assignee: ALIROO LTD (ALIR-N); SOLOMON H (SOLO-I)

Inventor: MENCZER E; POMERANTZ Y

Number of Countries: 057 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9504428	A1	19950209	WO 94US8684	A	19940801	199511 B
AU 9474785	A	19950228	AU 9474785	A	19940801	199522
US 5491563	A	19960213	WO 93US959	A	19930203	199612
			US 93131326	A	19931004	
			US 95442636	A	19950517	
IL 106567	A	19970318	IL 106567	A	19930802	199717
JP 9504660	W	19970506	WO 94US8684	A	19940801	199728
			JP 95506052	A	19940801	
IL 109591	A	19980715	IL 109591	A	19940506	199834

Priority Applications (No Type Date): IL 109591 A 19940506; IL 106567 A  
19930802; US 93131326 A 19931004; IL 100863 A 19920204

Cited Patents: EP 418742; US 4459611; US 4965842; US 5018026; US 5086434;  
US 5159630; US 5222136; US 5233653; US 5237521; US 5237624; US 5255106;  
US 5278920; US 5313521; US 5317646; US 5321749; US 5325433; US 5331431;  
WO 9217024

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9504428 A1 E 205 H04N-001/44

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES  
FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO  
RU SD SE SI SK TJ TT UA US UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC  
MW NL OA PT SD SE

AU 9474785 A H04N-001/44 Based on patent WO 9504428

US 5491563 A 22 H04N-001/44 Cont of application WO 93US959  
Cont of application US 93131326

JP 9504660 W 33 H04N-001/44 Based on patent WO 9504428

IL 106567 A H04N-001/44

IL 109591 A H04N-001/44

Abstract (Basic): WO 9504428 A

The method involves generating a **scrambled** image by generating  
several second image **portions** (192). At least one of the second image  
portions in an individual location in the second image portions  
comprises a first image portion in a different location in the first  
image portions and a passpartout (196) surrounding at least some of the  
first image portion.

At least one of the **portions** of the **scrambled** image contains  
target **information** which was not present in the source image.

ADVANTAGE - Improved handling of confidential information in hard copy format.

Dwg.17/37

Title Terms: CREATION; TRANSMISSION; METHOD; CONFIDE; DOCUMENT; SCRAMBLE; SOURCE; IMAGE; ORIGINAL; IMAGE; PORTION; REFERENCE; MARK; ONE; REGISTER; SCALE; ROTATING; SHIFT

Derwent Class: W02

International Patent Class (Main): H04N-001/44

File Segment: EPI

22/5/95 (Item 43 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004573568

WPI Acc No: 1986-076912/ 198612

XRPX Acc No: N86-056287

Copy protection of software stored on magnetic medium - by forming medium and domain pattern marks in medium and checking for presence of both marks in use of software

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: CHANDRA A N; COMERFORD L D; WHITE S R

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 174472	A	19860319	EP 85109182	A	19850723	198612 B
US 4644493	A	19870217	US 84651184	A	19840914	198709
US 4903296	A	19900220	US 86930219	A	19861112	199014
EP 174472	B1	19931118	EP 85109182	A	19850723	199346
DE 3587658	G	19931223	DE 3587658	A	19850723	199401
			EP 85109182	A	19850723	

Priority Applications (No Type Date): US 84651184 A 19840914

Cited Patents: 2.Jnl.Ref; A3...8950; EP 110511; FR 2535885; No-SR.Pub; US 4352952

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 174472	A	E 70		
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Designated States (Regional): DE FR GB

EP 174472	B1	E 32	G06F-012/14	
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Designated States (Regional): DE FR GB

DE 3587658	G		G06F-012/14	Based on patent EP 174472
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Abstract (Basic): EP 174472 A

A medium mark (32) is formed in the disc (30) during, or after, its manufacture. The mark changes the magnetic orientation of areas of the disc so that they no longer respond to the write head. The mark may correspond to one bit location in a format sector or it may lie in more than one formatted sector (34). A magnetic field is then applied to the region of the disc which contains the mark. The effect of the field is to modify the sector structure so that a region (36) results which contains large domains.

The disc is then reformatted in all sectors except those which contain the mark (32). That sector which contains the medium mark (32) now contains a second mark such as a domain pattern mark. To apply the copy protection method, the data stored in sectors containing the two marks are read twice in succession and compared to verify the existence of the second mark. Then data are written into these sectors to replace the second mark. The data stored are read a third time and compared with the data written to verify the presence of the first mark. These verifications are used as a necessary condition before executing the stored program.

File 348:EUROPEAN PATENTS 1978-2005/Jul W04

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050804,UT=20050728

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	350882	CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK - OR KEY OR TRIGGER) ()POINT? ? OR MARK? ? OR MARKER? ? OR MARKI- NGS OR (START??? OR END???) ()POINT? ? OR TAG OR TAGS
S2	59730	S1(10N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR - PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? - OR PAGE OR PAGES)
S3	137523	(ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC- RAMBL??? OR SECURE? ? OR SECURING) (7N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4	33588	S1(7N) (INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5	731184	ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SCR- AMBL??? OR SECURE? ? OR SECURING
S6	53974	S5(7N) (DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITT- EN()WORK? ? OR DIGITAL() (ASSET? ? OR GOOD? ?) OR VIDEO? ? OR - MOVIE? ? OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?)
S7	79527	S5(7N) (SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT? ? OR FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL()PROPERTY OR MESSAGE? ?)
S8	75	S2(50N)S3(50N)S4(50N)S6:S7
S9	54	S8 AND AC=US/PR
S10	38	S9 AND AY=(1970:2000)/PR
S11	26	S8 AND PY=1970:2000
S12	43	S10:S11
S13	43	IDPAT (sorted in duplicate/non-duplicate order)

13/3,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00559947 \*\*Image available\*\*

COMPOSITE PRODUCTS, METHODS AND APPARATUS  
PRODUITS COMPOSITES, PROCEDES ET SYSTEME ASSOCIES

Patent Applicant/Assignee:

TENSILE COMPOSITE RESEARCH,  
Inventor(s):

CHAPUIS Laurent,  
AINLAY Thomas M,  
BAUDET Jean-Pierre,  
BRUEGGER Marc A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200023320 A2 20000427 (WO 0023320)  
Application: WO 99IB1770 19991012 (PCT/WO IB9901770)  
Priority Application: US 98173917 19981016

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP NZ AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 11195

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000427

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... 14 with

like reference numerals referring to like elements. An open ended vacuum drum 110A houses a **segment** projector 124 which projects **segment** placement marks 60 onto a first film layer 52A. **Segment** projector 124 could project marks 60 through drum 110A if -drum 110A is transparent or sufficiently translucent. **Segments** 16 or mat-type **segments** 20 are secured to film layer 52A. A second film layer, not shown in Fig. 15, is then wound onto drum 110A to create a material stack...

...of the segment belts 106 of

Figs. 10, 10A with the embodiment of Figs. 15, 16. if

**segments** 16, 20 are placed using automated equipment, projecting marks 60 may not be necessary except as a quality control check.

An advantage of the invention is...

13/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00397788 \*\*Image available\*\*

IN-CAMERA IMAGE MARKING AND AUTHENTICATION

MARQUAGE ET AUTHENTIFICATION D'IMAGE DANS UN APPAREIL PHOTOGRAPHIQUE

Patent Applicant/Assignee:

OBSIDIAN IMAGING INC,  
Inventor(s):

STEINBERG Eran,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9738531 A1 19971016  
Application: WO 97US5532 19970403 (PCT/WO US9705532)  
Priority Application: US 96627441 19960404

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7729

Patent and Priority Information (Country, Number, Date):

Patent: ... 19971016

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... 82 involves the processes of converting the original image data according to the indicium (indiciu data) to place the mark on the original image, i.e. to form marked image data. Block 82 also includes encrypting the indicium and formula, creating the mark lookup table, and an encrypted mark lookup table and includes...

...of a table

containing the sum of data in each row and column of the original image data. Block 82 also includes encryption of the authentication data to create encrypted authentication data.

Block 84 indicates the process of saving the encrypted authentication data, marked image data and encrypted mark lookup table. The encrypted authentication data and encrypted mark lookup table (or encrypted indicium and formula) can be placed as a header to the marked image data Block 86 indicates...

13/3,K/15 (Item 15 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

01169442

Data protection method using decryption key concealed in compliant mark  
Datenschutzverfahren mit in nachgiebiger Markierung verstecktem  
Entschlüsselungsschlüssel  
Methode de protection de donnees utilisant une clef de decryptage cachee  
dans un marquage conforme

PATENT ASSIGNEE:

YAMAHA CORPORATION, (404961), 10-1, Nakazawa-cho, Hamamatsu-shi  
Shizuoka-ken, (JP), (Applicant designated States: all)

INVENTOR:

Furukawa, Masamichi, Uchinodai 4-8-21, Hamakita-shi, Shizuoka-ken,  
434-0045, (JP)  
Tsunoda, Shigeo, Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi,  
Shizuoka-ken, (JP)  
Uchiyama, Toshihito, Yamaha Corporation, 10-1, Nakazawa-cho,  
Hamamatsu-shi, Shizuoka-ken, (JP)  
Usui, Akira, Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi,  
Shizuoka-ken, (JP)

LEGAL REPRESENTATIVE:

Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER,  
Patentanwalte, Gewürzmühlstrasse 5, 80538 München, (DE)

PATENT (CC, No, Kind, Date): EP 1020856 A2 000719 (Basic)

EP 1020856 A3 010124

APPLICATION (CC, No, Date): EP 100158 000111;

PRIORITY (CC, No, Date): JP 994754 990111

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G11B-020/00; G11B-020/18; G06F-012/14

ABSTRACT WORD COUNT: 196

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200029	3349
SPEC A	(English)	200029	7636
Total word count - document A			10985
Total word count - document B			0
Total word count - documents A + B			10985

...SPECIFICATION The second generating section 8 subsequently generates an execution key Y from the session key Rs. The **encrypting** block 2 encrypts the data with the execution key Y before recording of the data such that...

...be reproduced by a player machine. The ECC encoder 3 adds an error correction code to the **encrypted data** to form a **data block** such that the **encrypted data** can be made free of a noise by an error correction process of the data block using...

...the player machine. The third generating section including the function value generator 15 and the key encrypting **block** 12 further generates the compliant **mark** Es from the session key Rs such that the compliant mark Es contains information of the session key Rs. Stated otherwise, the key is concealed in the compliant **mark**. The writing **section** including ECC2 encoder 13 and **adder** 14 writes the compliant **mark** Es over the **data block** in the form of a noise such that the compliant **mark** Es can be separated from the data by the error correction process performed by the player machine...

...so as to decrypt the data if the player machine can recognize or interpret the separated compliant **mark** Es.

FIG. 2 is a **block** diagram illustrating the configuration of an optical disc player machine practiced as an embodiment of the invention

...

13/3,K/16 (Item 16 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

01126149

Document management method and apparatus, and recording medium therefor  
Dokumentverwaltungsverfahren und -Gerat, und Aufzeichnungsmedium dafur  
Procede et appareil de gestion de documents, et support d'enregistrement  
correspondant

PATENT ASSIGNEE:

Hitachi, Ltd., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo,  
(JP), (Applicant designated States: all)

INVENTOR:

Kawanishi, Yasunori, 3204, Noborito, Tama-ku, Kawasaki-shi, Kanagawa-ken,  
(JP)

Toyoshima, Hisashi, 1709-19, Ohtsuka, Hachiohji-shi, Tokyo, (JP)

Nagai, Yasuhiko, 13-12, Hongou 4-chome, Bunkyo-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23  
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 984615 A2 000308 (Basic)  
EP 984615 A3 010516

APPLICATION (CC, No, Date): EP 99306886 990831;

PRIORITY (CC, No, Date): JP 98244721 980831

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: H04N-001/32  
ABSTRACT WORD COUNT: 119  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200010	420
SPEC A	(English)	200010	5879
Total word count - document A			6299
Total word count - document B			0
Total word count - documents A + B			6299

...SPECIFICATION processing comprises a processing of inputting seal mark corresponding to the employee ID,  
a processing of embedding **encrypted** information with each secret key in a specific **block** of seal **mark**, wherein the embedded information are selected document characteristic quantity information and sealing information such as seal serial No...  
...in condition of confirming data validity and reproduction acceptability, adding reproduced seal mark to information indicating reproduction, **encrypting** the seal mark with a secret key, and embedding the **encrypted data** in a specific **block** of the seal **mark**, attaching a public key, and sealing the seal mark in the position that the document set.  
Seal...

...public key attached with the seal mark.

And confirming certified document information and data original to decrypted **data**, adding **information** indicating invalidity of seal **mark**, **encrypting** with its own secret key, embedding **encrypted data** in a specific **block** of seal **mark**, attaching a public key, and sealing in a position that the document set.

Document certification processing is...

13/3,K/18 (Item 18 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

00762742

Copy prevention method and apparatus of a digital magnetic recording/reproduction system

Verfahren und Anlage zur Verhinderung von Kopien für digitales magnetisches Aufnahme-/Wiedergabesystem

Methode et appareil pour éviter de faire des copies pour un système d'enregistrement/de reproduction magnétique numérique

PATENT ASSIGNEE:

LG ELECTRONICS INC., (1914271), 20, Yoido-Dong, Yongdungpo-Ku, Seoul, (KR), (Proprietor designated states: all)

INVENTOR:

Park, Tae Joon, 20-118 Soongin-dong, Jongro-ku, Seoul, (KR)

LEGAL REPRESENTATIVE:

McLeish, Nicholas Alistair Maxwell et al (74621), Boulton Wade Tennant  
Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)

PATENT (CC, No, Kind, Date): EP 716544 A2 960612 (Basic)

EP 716544 A3 970618

EP 716544 B1 020410

APPLICATION (CC, No, Date): EP 95308674 951201;

PRIORITY (CC, No, Date): KR 3333694 941208

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-005/913

ABSTRACT WORD COUNT: 245

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	2010
CLAIMS B	(English)	200215	1892
CLAIMS B	(German)	200215	1582
CLAIMS B	(French)	200215	2117
SPEC A	(English)	EPAB96	5446
SPEC B	(English)	200215	5483
Total word count - document A			7457
Total word count - document B			11074
Total word count - documents A + B			18531

...SPECIFICATION process is carried out in the sequence of encrypting a marker formed by a control word for **scrambling** audio and video bit strips and copy prevention information for preventing an illegal copy by means of...

...copy prevention apparatus of a digital magnetic recording/reproducing system may include a marker detecting and inserting **part** for detecting a **marker** from input bit strips, and inserting the updated marker to the bit strips to output the result. A **marker** analyzing and processing **part** decrypts and analyzes the encrypted **marker** from the **marker** detecting and inserting **part** by means of an encoded key, outputs a control word for descrambling the bit strips, and updates...

...the decrypted marker by means of the encoded key to output the result. In addition, a buffer **part** buffers the control word and updated and encrypted **marker** from the **marker** analyzing and processing **section**, and inserts the updated and encrypted **marker** in the **marker** detecting and inserting **part**, and a descrambler descrambles the bit strips provided via the **marker** detecting and inserting **part** by means of the control word from the buffer **part**.

#### BRIEF DESCRIPTION OF THE DRAWINGS

The above...The updated marker is encrypted by means of the encoded key to be replaced with the succeeding **marker** and inserted 17. More specifically, as the marker is supplied whenever the control word is changed, it...

...the received bit strips, and inserts to output the updated marker, i.e., the updated and encrypted **marker**, from buffer **section** 23 to the bit strips.

**Marker** analyzing/processing **section** 22 utilizes the encoded key to decrypt and analyze the encrypted **marker** from **marker** detecting/inserting **section** 21, thereby providing the control word CW for descrambling the bit strips. Then, the decrypted marker is updated and encrypted by the encoded key to be output.

Buffer **section** 23 buffers control word CW and updated and encrypted **marker** IEM from **marker** analyzing/processing **section** 22, so that updated and encrypted **marker** IEM is supplied to be inserted in **marker** detecting/inserting **section** 21.

Descrambler 24 descrambles the bit strips output via **marker** detecting/inserting **section** 21 by means of the control word CW from buffer **section** 23 to supply the result to...

...SPECIFICATION process is carried out in the sequence of encrypting a marker formed by a control word for **scrambling** audio and video bit strips and copy prevention information for preventing an illegal copy by means of...

...a copy prevention apparatus for a digital magnetic recording/reproducing system comprising a marker detecting and inserting **part** for detecting an encrypted **marker** from input bit strips, and inserting the updated marker to the bit strips to output the result...



13/3,K/25 (Item 25 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00897914 \*\*Image available\*\*

**SCALABLE CODING OF MULTI-MEDIA OBJECTS**  
**CODAGE A GEOMETRIE VARIABLE D'OBJETS MULTIMEDIA**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

VAN DER VLEUTEN Renatus J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,  
VAN DER SCHAAR Mihaela, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), INTERNATIONAAL OCTROOIBUREAU B.V., Prof  
Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200232147 A1 20020418 (WO 0232147)

Application: WO 2001EP11565 20011004 (PCT/WO EP0111565)

Priority Application: US 2000239345 20001011; US 2000239659 20001012

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4997

Fulltext Availability:

Detailed Description

Detailed Description

... source coding and channel coding are not carried out at the same time  
or location. The quality **tags** then give the required **information** for  
**adding** the channel coding (unequal error **protection**, e.g. more  
**protection** for **parts** of the bit-stream that represent higher quality,  
or more **protection** for **parts** of the bit-stream with a high quality to  
number of bits ratio).

The invention may also...

...by reference herein. The quality information may conveniently be  
included in JPEG2000, because a Comment and Extension **Marker** (CME) has  
already been defined (see **page** 51 of document N 1 646), which allows  
unstructured data in the header. Quality information is advantageously...

13/3,K/26 (Item 26 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00896438

**SECURITY RATING METHOD**  
**METHODE DE CLASSEMENT DE SECURITE**

Patent Applicant/Assignee:

VERISCAN SECURITY AB, Lovartsgatan 9, Box 4082, S-650 04 Karlstad, SE, SE  
(Residence), SE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GUSTAFSSON Mikael, Nygatan 22, S-652 20 Karlstad, SE, SE (Residence), SE

(Nationality), (Designated only for: US)  
BRANZELL Jan, Bjurbacksgatan 10, S-654 55 Karlstad, SE, SE (Residence),  
SE (Nationality), (Designated only for: US)  
LUNDMARK Lorentz, Edebacksgatan 15, S-654 61 Karlstad, SE, SE (Residence)  
, SE (Nationality), (Designated only for: US)  
RODRICK Anders, Egnahemsgatan 6, S-654 63 Karlstad, SE, SE (Residence),  
SE (Nationality), (Designated only for: US)  
Legal Representative:  
JOHANSSON Lars (agent), Patech Sarl, Case postale 25, CH-1138  
Villars-sous-Yens, CH,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200229527 A2 20020411 (WO 0229527)  
Application: WO 2001EP10970 20010921 (PCT/WO EP0110970)  
Priority Application: SE 20003378 20000921; US 2001290593 20010511  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)  
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 13082

Fulltext Availability:  
Detailed Description

#### Detailed Description

... grade of 0 is not either a difficult task, because this grade states a  
total lack of **information** or **protection** .. The tricky **part** is to  
grade a **checkpoint** either lower(1 or 2) or higher(4 or 5) than 3.

This latter part is up...

...fire extinguisher of the proper type should be placed easily accessible  
and signs have to be in **place** . A typical positive aspect on this  
**checkpoint** will be if the extinguisher is **placed** in an excellent  
position, it has been controlled recently and there are signs which are  
both obvious...

13/3,K/28 (Item 28 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00869470 \*\*Image available\*\*

#### A METHOD AND SYSTEM FOR SECURE TRANSMISSION OF DATA PROCEDE ET SYSTEME POUR SECURISER UNE EMISSION DE DONNEES

Patent Applicant/Assignee:

KRYPTOFAX LP, 155 Tims Road, Ancram, NY 12502, US, US (Residence), US  
(Nationality)

Inventor(s):

VIRGA Richard, 298 Mulberry Street, Apt. 3G, New York, NY 10012, US,  
BITTNER Jack, 2 Fifth Avenue, New York, NY 10011, US,

Legal Representative:

MESSINA Gerard A (agent); Kenyon and Kenyon, 1 Broadway, New York, NY  
10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203606 A1 20020110 (WO 0203606)  
Application: WO 2001US21329 20010705 (PCT/WO US0121329)

Priority Application: US 2000610257 20000705

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7145

Fulltext Availability:

Detailed Description

Detailed Description

... display. Another possibility is to output the encrypted image to a diskette or ROM card and then insert (inverted exclamation mark)t into a decrypter to view (inverted exclamation mark)t without printing (inverted exclamation mark)t.

It...

...by

the user by entering an appropriate response on keyboard 12 to a

prompt on display 11. Information as to which encryption algorithm has been used to encrypt a document could be displayed as part of the automatically produced unencrypted text

61, or (inverted exclamation mark)t could be encoded in any of several places in the encrypted portion of the document, such as by vary(inverted exclamation mark)ng the top of- page code 63, or by embedding an algorithm identifier within the coded symbols 62.

FIG. 11a is a...

13/3,K/36 (Item 36 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00568591 \*\*Image available\*\*

A METHOD AND A DEVICE FOR ENCRYPTION OF IMAGES

PROCEDE ET DISPOSITIF DE CRYPTAGE D'IMAGES

Patent Applicant/Assignee:

TELEFONAKTIEBOLAGET LM ERICSSON (publ),

Inventor(s):

JANDEL Magnus,

LARSSON Mathias,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200031964 A1 20000602 (WO 0031964)

Application: WO 99SE2106 19991117 (PCT/WO SE9902106)

Priority Application: SE 983979 19981120

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU  
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 4000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000602  
Fulltext Availability:  
Detailed Description  
Publication Year: 2000

Detailed Description

... the header that  
defines a default coding unit order thus saving the bits that  
are needed for **inserting explicit tags**.

SUBSTITUTE SHEET (RULE 26)

In Figs. 2a and 2b **block** diagrams describing how **encryption** can  
be implemented in the JPEG 2000 encoder and decoder  
respectively, are shown.

Thus, in Fig 2a a **block** diagram where **encryption** is performed  
after entropy coding in the encoder is shown. Coding units enter  
an entropy coding block...  
...all.

In response to the selection made in the selector 203 the  
entropy coded coding units are **encrypted** in a **block** 205. The  
**encrypted** coding units together with the not **encrypted** coding  
units then form a combined output **data** stream, which can be  
stored or transmitted.

In Fig. 2b a decoder for decoding the bit stream...

13/3,K/38 (Item 38 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00473022 \*\*Image available\*\*

**SECURE TRANSACTIONS**  
**TRANSACTIONS PROTEGEES**

Patent Applicant/Assignee:

GILBARCO LIMITED,

Inventor(s):

JOHNSON William Smith Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9904374 A1 19990128

Application: WO 98GB2083 19980716 (PCT/WO GB9802083)

Priority Application: US 97895225 19970716; US 97895282 19970716; US  
97895417 19970716

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM  
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD  
TG

Publication Language: English

Fulltext Word Count: 14162

Patent and Priority Information (Country, Number, Date):

Patent: ... 19990128

Fulltext Availability:

Detailed Description

Publication Year: 1999

#### Detailed Description

... send encrypted CRN [ECRN]);

UNSIGNED CHAR Tag

Random-Number[8] (send TRN); and

UNSIGNED CHAR LRC (checksum).

#### - Secure Write Data

The secure write data command causes the tag cryptography electronics 104 to store data that...

...send 8 bytes of encrypted data);

UNSIGNED CHAR Authenticator-Block[8] (send 8 bytes of encrypted authenticator

data ); and

UNSIGNED CHAR LRC (checksum).

The possible replies from the tag 100 are.

UNSIGNED CHAR Command-Accepted = ACK; and

UNSIGNED CHAR Command-Not-Accepted = NAK.

#### - Secure Add Data

The secure add data command causes the tag cryptography electronics 104 to add data that is part of this command to...

...relative to a group and starts from block 0.

A sample protocol command sequence follows.

UNSIGNED CHAR Secure -Add- Data = E6 (send command);

UNSIGNED SHORT New Sequence number (send new sequence number);

UNSIGNED CHAR Group-Number (select group);

UNSIGNED SHORT Block-Number (select block);

UNSIGNED CHAR Data [8] (send 8 byte encrypted data );

UNSIGNED CHAR Authenticator-Block[8] (send 8 byte encrypted authenticator

data ; and

UNSIGNED CHAR LRC (checksum).

The possible replies from the tag I 00 are.

UNSIGNED CHAR Command-Accepted = ACK; and

UNSIGNED CHAR Command-Not-Accepted = NAK.

#### - Secure Subtract Data

The secure subtract data command causes the tag cryptography electronics 104 to perform a subtraction from the secure data storage area...Number (send current sequence number);

UNSIGNED CHAR DES-Key-Counter (send DES key counter value);

UNSIGNED CHAR Data [8] /\* encrypted \*/ (send encrypted data );

UNSIGNED CHAR Authenticator-Block[8] (send encrypted authentic or data );

/\* encrypted \*/ and

UNSIGNED CHAR LRC (checksum).

#### - Unsecure Write Data

The unsecure write data command causes the tag cryptography electronics 104 to store data that is part...

...is relative to a group and starts from block 0.

A command protocol sequence follows;  
UNSIGNED CHAR **Secure -Write- Data** = E9 (send command);  
UNSIGNED CHAR Sequence-Number (send sequence number);  
UNSIGNED CHAR Group-Number (select group);  
UNSIGNED...

...UNSIGNED CHAR Command-Accepted = ACK; and  
UNSIGNED CHAR Command-Not-Accepted = NAK.

- Unsecure Add Data

The unsecure **add** data command causes the tag cryptography electronics 104 to **add** data that is part of this command to the data that is already in storage in the tag cryptography electronics 104. The sequence number is one higher than the sequence number stored in the **tag** cryptography electronics 104. The **Add** function **adds** the data in the block to the data in the command and stores the result in the...

...relative to a group and starts from block 0.  
The command protocol sequence would be.

UNSIGNED CHAR **Secure -Add- Data** = EA (send command);  
UNSIGNED SHORT New-Sequence-number (send new sequence number);  
UNSIGNED CHAR Group-@Number (select...)

13/3,K/39 (Item 39 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00440649

**SYSTEMS AND METHODS FOR MODIFYING BROADCAST PROGRAMMING**  
**SYSTEMES ET PROCEDES POUR MODIFIER LA PROGRAMMATION D'UNE EMISSION**  
Patent Applicant/Assignee:

PERSONAL AUDIO,

Inventor(s):

LOGAN James D,  
GOESSLING Daniel F,  
GOLDHOR Richard S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9831113 A2 19980716

Application: WO 98IB208 19980106 (PCT/WO IB9800208)

Priority Application: US 97780669 19970107

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM  
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8971

Patent and Priority Information (Country, Number, Date):

Patent: ... 19980716

Fulltext Availability:

Detailed Description

Publication Year: 1998

Detailed Description

... the playback rate, and allows a user to listen for marker signals, and thereby check if the **markers** have been properly **inserted** at the beginning and ends of the signal. The program will allow manual editing

to correct misplaced **markers** .

The editing program also allows a user to clip a **segment** and direct that segment to be stored by the recording element 20 depicted in Fig. 3. Additionally mechanism 56 that can decrypt an **encrypted segment** signal, to provide to the **audio** generator 58 a signal suitable for processing into an audio signal. Further, the shredder mechanism can delete...

...signal after it is transmitted to the audio signal generator 58, and can shred any copies of **encrypted** or decrypted **segment** signals by **encrypting** such signals with a randomly generated key, typically provided by a random number generator in the processor...

File 8: Ei Compendex(R) 1970-2005/Jul W4  
 (c) 2005 Elsevier Eng. Info. Inc.  
 File 35: Dissertation Abs Online 1861-2005/Jul  
 (c) 2005 ProQuest Info&Learning  
 File 65: Inside Conferences 1993-2005/Jul W5  
 (c) 2005 BLDSC all rts. reserv.  
 File 2: INSPEC 1969-2005/Jul W4  
 (c) 2005 Institution of Electrical Engineers  
 File 94: JICST-EPlus 1985-2005/Jun W2  
 (c) 2005 Japan Science and Tech Corp (JST)  
 File 6: NTIS 1964-2005/Jul W4  
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 File 144: Pascal 1973-2005/Jul W4  
 (c) 2005 INIST/CNRS  
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 1998 Inst for Sci Info  
 File 34: SciSearch(R) Cited Ref Sci 1990-2005/Jul W5  
 (c) 2005 Inst for Sci Info  
 File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Jul  
 (c) 2005 The HW Wilson Co.  
 File 266: FEDRIP 2005/Jun  
 Comp & dist by NTIS, Intl Copyright All Rights Res  
 File 95: TEME-Technology & Management 1989-2005/Jun W4  
 (c) 2005 FIZ TECHNIK

Set	Items	Description
S1	822271	CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK - OR KEY OR TRIGGER) () POINT? ? OR MARK? ? OR MARKER? ? OR MARKI- NGS OR (START??? OR END???) () POINT? ? OR TAG OR TAGS
S2	24403	S1(10N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR - PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? - OR PAGE OR PAGES)
S3	25603	(ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC- RAMBL??? OR SECURE? ? OR SECURING) (7N) (SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4	8103	S1(7N) (INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5	3	S2 AND S3 AND S4
S6	80	S2 AND S3
S7	62	RD (unique items)
S8	1508844	(ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC- RAMBL??? OR SECURE? ? OR SECURING)
S9	34759	S8(7N) (DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITT- EN() WORK? ? OR DIGITAL() (ASSET? ? OR GOOD? ?) OR VIDEO? ? OR - MOVIE? ? OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?)
S10	134639	S8(7N) (SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT? ? OR FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL() PROPERTY OR MESSAGE? ?)
S11	14	S7 AND S9:S10



11/5/7 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05696101 JICST ACCESSION NUMBER: 04A0111816 FILE SEGMENT: JICST-E

**An Encryption Scheme without Generating Specific Codes.**

IWAMURA KEIICHI (1); HAYASHI JUN'ICHI (1)

(1) Canon Inc., JPN

Joho Shori Gakkai Shinpojiumu Ronbunshu, 2003, VOL.2003,NO.15, PAGE.217-222  
, FIG.3, REF.2

JOURNAL NUMBER: Y0978BAT ISSN NO: 1344-0640

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02-759 621.391.037.3

681.3:621.397.3

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Data Formats such as JPEG2000 use some marker codes which have special meaning. In such data formats, the **marker** codes must not be generated by **encryption** in **data part**. In this paper, we propose an **encryption** scheme which does not generate marker codes although uses well known encryption method such as DES or AES. (author abst.)

DESCRIPTORS: computer security; public key cryptography; image transformation; hierarchical structure; JPEG; decoding; resolving power; image quality; parameterization; safety

IDENTIFIERS: encryption

BROADER DESCRIPTORS: security; guarantee; cryptogram; image processing; information processing; treatment; transformation and conversion; structure; ISO Standard; international standard; standard(specification); standard; image compression; modification; signal processing; performance; image characteristic; characteristic; property

CLASSIFICATION CODE(S): JD01020V; ND02030R; JE04010I

11/5/8 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05201983 JICST ACCESSION NUMBER: 02A0622873 FILE SEGMENT: JICST-E

**Partial-scrambling of Images Encoded by JPEG2000 without Generations of Marker Codes.**

KIYA HITOSHI (1); IMAIZUMI SHOKO (1)

(1) Tokyo Metropolitan Univ., Graduate School of Engineering, JPN

Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report  
(Institute of Electronics, Information and Communication Engineers),  
2002, VOL.102,NO.152(IE2002 24-29), PAGE.19-24, FIG.14, TBL.1, REF.13

JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In this paper, we propose a partial-scrambling method for JPEG2000 coded images, that avoids generations of marker codes. Since this method is based on EBCOT algorithm, it is compliant to JPEG2000 standard CODEC. The proposed method **scrambles** body **parts** of JPEG2000 codestream by the half-byte so that it avoids generations of marker codes that causes miss decoding of JPEG2000 coded images. It is noted that **marker** codes represents codes of **markers** and **marker segments** partitioning code-streams in the range FF90h through FFFFh in this paper. (author abst.)

DESCRIPTORS: digital image; JPEG; image coding; **data protection**; signal processing; scrambler; marker; code; security

IDENTIFIERS: scrambling

BROADER DESCRIPTORS: image; ISO Standard; international standard;  
standard(specification); standard; image compression; image processing;  
information processing; treatment; coding(signal); modification;  
protection; signal converter; electric converter; converter;  
communication apparatus; equipment; object; guarantee  
CLASSIFICATION CODE(S): JE04010I

11/5/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06824493 \*\*Image available\*\*  
SYSTEM AND METHOD FOR MANAGING ELECTRONIC DOCUMENT

PUB. NO.: 2001-051987 [JP 2001051987 A]  
PUBLISHED: February 23, 2001 (20010223)  
INVENTOR(s): KUROKAWA TAKESHI  
KOJO SHINTARO  
APPLICANT(s): FUJII XEROX CO LTD  
APPL. NO.: 11-228316 [JP 99228316]  
FILED: August 12, 1999 (19990812)  
INTL CLASS: G06F-017/21; G06F-003/00; G06F-017/30

#### ABSTRACT

PROBLEM TO BE SOLVED: To protect secret of document contents in a system for displaying a thumb nail (reduced image) of a document as an icon and performing editing operation to the document while using the icon.

SOLUTION: Concerning the document of a protection object, certificate information such as keyword is set. Concerning the protection document to which the certificate information is set, an icon 130 of a prescribed mark such as the key mark showing necessity of the certifying operation is displayed on a work space part 120. Concerning the ordinary document to which the certificate information is not set, the icon 125a or 125b of a thumb nail on a certain page of the document is displayed. When the icon 130 of the protection document is clicked by a mouse or the like, a system requests input of the certificate information and when a user inputs the right certificate information corresponding to that request, in place of the icon 130 of the key mark, the icon containing the thumb nail on the certain page of that protection document is displayed.

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11/5/2 (Item 2 from file: 347)  
DIALOG(R) File 347:JAPIO  
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03661144 \*\*Image available\*\*  
SYSTEM FOR PROOF MARK TO ELECTRONIC MEDIUM INFORMATION

PUB. NO.: 04-026244 [JP 4026244 A]  
PUBLISHED: January 29, 1992 (19920129)  
INVENTOR(s): KOZUKA HIROSHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 02-131625 [JP 90131625]  
FILED: May 22, 1990 (19900522)  
INTL CLASS: [5] H04L-009/32; H04L-012/54; H04L-012/58  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy)  
JOURNAL: Section: E, Section No. 1199, Vol. 16, No. 192, Pg. 79, May 11, 1992 (19920511)

#### ABSTRACT

PURPOSE: To prevent a proof mark from being illegally used by changing the proof mark of a proof marking individual for each electronic medium information while providing a message size detection part, cipher generation part to generate the password of the proof marking person on the proof mark side, and proof mark cipher generation part to generate a proof mark code by using size information and the password.

CONSTITUTION: The size information of a message is received through an electronic mail system 1a, inputted from a proof mark side console 2 to a proof mark0 code generation part 3a and obtained from a message size information detection part 4a. By using this message size information and the password of the proof mark person on the proof mark side ciphered by a password cipher generation part 5, a proof mark code generation part 3a generates the proof mark code. This code is added to the original received message and transmitted through the electronic mail system 1a to the proof mark confirmation side. On the proof mark confirmation side, based on the size information and the password information, the proof mark code is generated by a proof mark code generation part 3b even on the proof mark confirmation side, as well and by collating this code with the proof mark code taken out in advance, the proof mark is confirmed. Thus, the proof mark can be prevented from being used illegally.

11/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01563330 \*\*Image available\*\*  
MARKER SIGNAL DETECTION CIRCUIT

PUB. NO.: 60-041830 [JP 60041830 A]  
PUBLISHED: March 05, 1985 (19850305)  
INVENTOR(s): SUGITA TAKEHIRO  
SAKAMOTO AKIRA  
FUKAMI TAKESHI  
KOMATSUBARA MICHIMASA  
APPLICANT(s): SONY CORP. [000218] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-150704 [JP 83150704]  
FILED: August 18, 1983 (19830818)  
INTL CLASS: [4] H04K-001/06; H04L-009/00  
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems); 44.3  
(COMMUNICATION -- Telegraphy)  
JOURNAL: Section: E, Section No. 328, Vol. 09, No. 169, Pg. 21, July  
13, 1985 (19850713)

#### ABSTRACT

PURPOSE: To obtain a general-purpose marker signal detecting circuit by storing plural marker components inserted periodically in a specific information signal, and comparing the components with a preset bit pattern.

CONSTITUTION: The marker signal (synchronizing signal) component inserted to the redundant part of a sound signal scrambled at the transmission side is extracted by an HPF12 and waveform-shaped by a comparator 13, then fed to a shift register circuit 14 comprising plural shift registers SR. A pulse pattern to be detected is set in comparators 15, 16 in advance and the pattern is compared with an output from a register circuit 14. The coincidence output from the comparator 15 is stored in registers 17, 18 and when the output is detected consecutively for 4 times, a marker detection output is obtained at an output of AND circuits 20, 21. The result is fed to a control circuit 5 of a sequence rearranging processing section 6 for scramble data.

11/5/5 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016779907 \*\*Image available\*\*  
WPI Acc No: 2005-104183/200512  
XRPX Acc No: N05-090444

Timing mark inserting method for e.g. video and audio data flow, involves inserting timing mark in compressed data flow only after number of encrypted bits has reached/exceeded number of bits of encryption block

Patent Assignee: STMICROELECTRONICS SA (SGSA )

Inventor: NICOLAI J

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2857813	A1	20050121	FR 20038639	A	20030716	200512 B
WO 200509047	A2	20050127	WO 2004FR1791	A	20040708	200512

Priority Applications (No Type Date): FR 20038639 A 20030716

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FR 2857813	A1		22	H04N-007/52	
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WO 200509047	A2 F			H04N-007/52	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): FR 2857813 A1

NOVELTY - The method involves encrypting bit by bit, a part of compressed data flow e.g. video flow, by block encryption algorithm. The bits of the compressed data flow, to be encrypted are stored in a buffer having a preset size. A timing mark is inserted in the compressed data flow only after the number of encrypted bits has reached or exceeded the number of bits of encryption block, or only after the buffer has filled.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a compressed and encrypted data flow obtained by a method of inserting a timing mark in the compressed and encrypted data flow

(b) a coder or decoder of formatted and compressed audio or video data

(c) a computer readable medium on which a program code implementing operations of a method of inserting a timing mark on a compressed and encrypted data flow, is recorded to permit the computer to broadcast the compressed and encrypted data flow.

USE - Used for inserting a timing mark in a flow of compressed and encrypted data e.g. MPEG format video data and audio data (claimed).

ADVANTAGE - The timing mark is inserted in the compressed data flow only after the number of encrypted bits has reached or exceeded the number of bits of encryption block, thus avoiding the data packet situated between two consecutive timing marks of the data flow to be transmitted without encryption.

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified flow chart of a method of inserting timing mark on a compressed and encrypted data flow.

pp; 22 DwgNo 3/4

Title Terms: TIME; MARK; INSERT; METHOD; VIDEO; AUDIO; DATA; FLOW; INSERT; TIME; MARK; COMPRESS; DATA; FLOW; AFTER; NUMBER; ENCRYPTION; BIT; REACH; NUMBER; BIT; ENCRYPTION; BLOCK

Derwent Class: W02

International Patent Class (Main): H04N-007/52

International Patent Class (Additional): H04N-007/167

File Segment: EPI

11/5/7 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014805733 \*\*Image available\*\*  
WPI Acc No: 2002-626439/200267  
Related WPI Acc No: 2000-116848; 2000-341558; 2002-061444  
XRPX Acc No: N02-495382

Web browser display text alteration method for copy protection of data content , involves replacing text string between markers in buffer of memory location with alternate text string

Patent Assignee: RUBIN M (RUBI-I); SCHREIBER D (SCHR-I)

Inventor: RUBIN M; SCHREIBER D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020078343	A1	20020620	US 99313067	A	19990517	200267 B
			US 99397331	A	19990914	
			US 2001774236	A	20010129	
			US 2001996623	A	20011128	

Priority Applications (No Type Date): US 2001996623 A 20011128; US 99313067 A 19990517; US 99397331 A 19990914; US 2001774236 A 20010129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020078343	A1	24	H04L-009/00	CIP of application US 99313067 CIP of application US 99397331 CIP of application US 2001774236

Abstract (Basic): US 20020078343 A1

NOVELTY - A buffer of memory locations containing contents of a formatted page is located. A text string between two markers within the buffer is replaced with an alternate text string. Special fill characters are inserted in unfilled memory locations between the markers .

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for display text altering system.

USE - For altering the text displayed by the browser in computer system to protect data content of audio , video , images, HTML pages , e-mail and enterprise data.

ADVANTAGE - The copying of text and image display by web browser on computer screen without authorization is prevented by replacing the displayed text string with alternate text string.

DESCRIPTION OF DRAWING(S) - The figure shows the simplified diagram of the content protection system.

pp; 24 DwgNo 1/12

Title Terms: WEB; DISPLAY; TEXT; ALTER; METHOD; COPY; PROTECT; DATA; CONTENT; REPLACE; TEXT; STRING; MARK; BUFFER; MEMORY; LOCATE; ALTERNATE; TEXT; STRING

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00

File Segment: EPI

11/5/11 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001230324  
WPI Acc No: 1975-B4100W/197506

Communications system with distorted-data repetition - has independent markers in equal length data blocks. tested for correctness

Patent Assignee: SIEMENS AG (SIEI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2349505	B	19750130				197506 B

Priority Applications (No Type Date): DE 2349505 A 19731002

Abstract (Basic): DE 2349505 B

The communications system has its data divided up into equal length data blocks and marker characters inserted into each block. The markers are independent of the transmitter and are tested for their correctness at the receiver. To improve the recognition of errors in transmission the individual marking characters forming a marker block are shuffled around amongst the characters in the data block requiring error protection. The distance between marking characters depends upon the 'width' of the expected error. When a distorted character has been determined, not only that character but also the previous character is repeated.

Title Terms: COMMUNICATE; SYSTEM; DISTORT; DATA; REPEAT; INDEPENDENT; MARK; EQUAL; LENGTH; DATA; BLOCK; TEST; CORRECT

Derwent Class: U21; U22; W01

International Patent Class (Additional): H03K-013/32; H04L-001/10

File Segment: EPI

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